

Pierre-pascal Lenck-santini

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,744
citations

201674

27
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

2847
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of interictal epileptiform abnormalities in cognitive impairment. <i>Epilepsy and Behavior</i> , 2006, 8, 504-515.	1.7	303
2	Hippocampal interictal epileptiform activity disrupts cognition in humans. <i>Neurology</i> , 2013, 81, 18-24.	1.1	211
3	Coding for spatial goals in the prelimbic/infralimbic area of the rat frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4602-4607.	7.1	206
4	Goal-Related Activity in Hippocampal Place Cells. <i>Journal of Neuroscience</i> , 2007, 27, 472-482.	3.6	197
5	Attention-Like Modulation of Hippocampus Place Cell Discharge. <i>Journal of Neuroscience</i> , 2010, 30, 4613-4625.	3.6	144
6	Representation of Objects in Space by Two Classes of Hippocampal Pyramidal Cells. <i>Journal of General Physiology</i> , 2004, 124, 9-25.	1.9	98
7	Altered Phase Precession and Compression of Temporal Sequences by Place Cells in Epileptic Rats. <i>Journal of Neuroscience</i> , 2008, 28, 5053-5062.	3.6	96
8	SCN1A mutations in Dravet syndrome: Impact of interneuron dysfunction on neural networks and cognitive outcome. <i>Epilepsy and Behavior</i> , 2012, 23, 177-186.	1.7	91
9	Evidence for a relationship between place-cell spatial firing and spatial memory performance. <i>Hippocampus</i> , 2001, 11, 377-390.	1.9	88
10	Relationships between Place Cell Firing Fields and Navigational Decisions by Rats. <i>Journal of Neuroscience</i> , 2002, 22, 9035-9047.	3.6	88
11	Spatial Navigation and Hippocampal Place Cell Firing: The Problem of Goal Encoding. <i>Reviews in the Neurosciences</i> , 2004, 15, 89-107.	2.9	83
12	Focal Scn1a knockdown induces cognitive impairment without seizures. <i>Neurobiology of Disease</i> , 2013, 54, 297-307.	4.4	74
13	Speed modulation of hippocampal theta frequency correlates with spatial memory performance. <i>Hippocampus</i> , 2013, 23, 1269-1279.	1.9	71
14	Mechanisms Responsible for Cognitive Impairment in Epilepsy. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a022772.	6.2	71
15	Study of CA1 place cell activity and exploratory behavior following spatial and nonspatial changes in the environment. <i>Hippocampus</i> , 2005, 15, 356-369.	1.9	66
16	Focal epileptiform activity in the prefrontal cortex is associated with long-term attention and sociability deficits. <i>Neurobiology of Disease</i> , 2014, 63, 25-34.	4.4	64
17	Sensory and Memory Properties of Hippocampal Place Cells. <i>Reviews in the Neurosciences</i> , 2000, 11, 95-111.	2.9	61
18	Effect of Interictal Spikes on Single-Cell Firing Patterns in the Hippocampus. <i>Epilepsia</i> , 2007, 48, 720-731.	5.1	60

#	ARTICLE	IF	CITATIONS
19	Enhanced Oscillatory Activity in the Hippocampal Prefrontal Network Is Related to Short-Term Memory Function after Early-Life Seizures. <i>Journal of Neuroscience</i> , 2011, 31, 15397-15406.	3.6	56
20	Impaired cognition in rats with cortical dysplasia: additional impact of early-life seizures. <i>Brain</i> , 2011, 134, 1684-1693.	7.6	52
21	Discharge Properties of Hippocampal Neurons during Performance of a Jump Avoidance Task. <i>Journal of Neuroscience</i> , 2008, 28, 6773-6786.	3.6	51
22	Place-cell firing does not depend on the direction of turn in a Y-maze alternation task. <i>European Journal of Neuroscience</i> , 2001, 13, 1055-1058.	2.6	48
23	Emergence of Coordinated Activity in the Developing Entorhinal Hippocampal Network. <i>Cerebral Cortex</i> , 2019, 29, 906-920.	2.9	45
24	Attention Deficit Associated with Early Life Interictal Spikes in a Rat Model Is Improved with ACTH. <i>PLoS ONE</i> , 2014, 9, e89812.	2.5	44
25	Place cells, neocortex and spatial navigation: a short review. <i>Journal of Physiology (Paris)</i> , 2003, 97, 537-546.	2.1	35
26	A companion to the preclinical common data elements on neurobehavioral comorbidities of epilepsy: a report of the TASK3 behavior working group of the ILAE/AES Joint Translational Task Force. <i>Epilepsia Open</i> , 2018, 3, 24-52.	2.4	34
27	Maturation dynamics of hippocampal place cells in immature rats. <i>Hippocampus</i> , 2011, 21, 347-353.	1.9	31
28	Temporal Coordination of Hippocampal Neurons Reflects Cognitive Outcome Post-febrile Status Epilepticus. <i>EBioMedicine</i> , 2016, 7, 175-190.	6.1	30
29	Cognitive Deficits Associated with Nav1.1 Alterations: Involvement of Neuronal Firing Dynamics and Oscillations. <i>PLoS ONE</i> , 2016, 11, e0151538.	2.5	27
30	Functional Network Changes in Hippocampal CA1 after Status Epilepticus Predict Spatial Memory Deficits in Rats. <i>Journal of Neuroscience</i> , 2012, 32, 11365-11376.	3.6	26
31	A knock-in mouse model for KCNQ2-related epileptic encephalopathy displays spontaneous generalized seizures and cognitive impairment. <i>Epilepsia</i> , 2020, 61, 868-878.	5.1	26
32	Impaired vocal communication, sleep-related discharges, and transient alteration of slow-wave sleep in developing mice lacking the GluN2A subunit of N-methyl-D-aspartate receptors. <i>Epilepsia</i> , 2019, 60, 1424-1437.	5.1	23
33	Maturation of EEG oscillations in children with sodium channel mutations. <i>Brain and Development</i> , 2012, 34, 469-477.	1.1	20
34	Oscillation Phase Locking and Late ERP Components of Intracranial Hippocampal Recordings Correlate to Patient Performance in a Working Memory Task. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 287.	2.0	19
35	Properties of place cell firing after damage to the visual cortex. <i>European Journal of Neuroscience</i> , 2002, 16, 771-776.	2.6	16
36	Postictal Single-cell Firing Patterns in the Hippocampus. <i>Epilepsia</i> , 2007, 48, 713-719.	5.1	16

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37	Autistic traits in epilepsy models: Why, when and how?. <i>Epilepsy Research</i> , 2018, 144, 62-70.	1.6	13
38	Focal Dorsal Hippocampal Nav1.1 Knock Down Alters Place Cell Temporal Coordination and Spatial Behavior. <i>Cerebral Cortex</i> , 2020, 30, 5049-5066.	2.9	13
39	A TEST OF THE TIME ESTIMATION HYPOTHESIS OF PLACE CELL GOAL-RELATED ACTIVITY. <i>Journal of Integrative Neuroscience</i> , 2007, 06, 367-378.	1.7	10
40	Neuroaminidase reduces interictal spikes in a rat temporal lobe epilepsy model. <i>Epilepsia</i> , 2011, 52, e12-e15.	5.1	9
41	Abnormal UP/DOWN Membrane Potential Dynamics Coupled with the Neocortical Slow Oscillation in Dentate Granule Cells during the Latent Phase of Temporal Lobe Epilepsy. <i>ENeuro</i> , 2016, 3, ENEURO.0017-16.2016.	1.9	8
42	Status Epilepticus Induced Spontaneous Dentate Gyrus Spikes: In Vivo Current Source Density Analysis. <i>PLoS ONE</i> , 2015, 10, e0132630.	2.5	7
43	Cognitive and behavioral comorbidities of epilepsy. <i>Epilepsia</i> , 2010, 51, 79-79.	5.1	6
44	Cognitive and Behavioral Comorbidities in Epilepsy: The Treacherous Nature of Animal Models. <i>Epilepsy Currents</i> , 2013, 13, 182-183.	0.8	3
45	Alterations of Neuronal Dynamics as a Mechanism for Cognitive Impairment in Epilepsy. <i>Current Topics in Behavioral Neurosciences</i> , 2020, , 65-106.	1.7	2
46	Seizure-Induced Newborn Neurons Might Not be So Bad after All. <i>Epilepsy Currents</i> , 2013, 13, 229-230.	0.8	1
47	Stereotypical activation of hippocampal ensembles during seizures. <i>Brain</i> , 2017, 140, 2256-2259.	7.6	1
48	Bad Timing for Epileptic Networks: Role of Temporal Dynamics in Seizures and Cognitive Deficits. <i>Epilepsy Currents</i> , 2021, 21, 177-182.	0.8	0